TETRA TECH EM INC.

Rockaway 80 Corporate Center
100 Enterprise Drive, Suite 400
Rockaway, New Jersey 07866
Tel. (973) 659-9996 Fax. (973) 659-1287

March 15, 2006

Mr. Steve Maybury
New Jersey Department of Environmental Protection
Site Remediation & Waste Management
Division of Remediation Management and Response
Bureau of Northern Case Management
401 East State Street, 5th Floor
Trenton, New Jersey 08625-0028

Subject: **Response Plan**

Reference: **Edgewood Property Site – Tingley, South Plainfield, NJ**

Dear Steve:

On behalf of Ford Motor Company, Tetra Tech is submitting the attached Response Plan for the removal of crushed concrete material at the former Tingley Rubber Corporation (Tingley) manufacturing facility. This plan incorporates the specific requirements as outlined in the NJDEP Administrative Order issued to Ford Motor Company (Ford) on March 8, 2006 (EA ID #: PI V1166).

All information in this Plan concerning the crushed concrete on the Tingley Rubber site Property, including the origin of that crushed concrete, was obtained from EPI and/or from discussions with its employees, agents, and contractors. Other than sample data obtained by Tetra Tech or visual data collected by Tetra Tech employees, Tetra Tech has relied on this information in drafting this Response Plan.

This plan details the removal and disposal of crushed concrete material currently located on the Tingley Rubber property that was reportedly transported from the former Ford Edison Assembly Plant property located at 939 U.S. Highway Route 1 in Edison, New Jersey by Edgewood Properties Inc. (EPI). This Response Plan addresses the following major elements:

1. Identify and remove material, and dispose material at an approved disposal facility.

2. Implement and maintain dust control measures including air monitoring

3. Provide disposal tracking logs and documentation for the crushed concrete materials removed from the Tingley Rubber property.

4. Collect and analyze "post-excavation" samples from the soil located below the removed material to insure that no material is left at the site.

5. Submit progress reports to the NJDEP.

Ford intends to dispose these materials at the following permitted facility: BFI Conestoga Landfill in Morgantown, Pennsylvania. If necessary to meet the timing set forth in this Plan, Ford also proposes to use MCUA Middlesex County Landfill in East Brunswick, New Jersey. The sampling will be performed in accordance with the NJDEP Technical Requirements for Site Remediation.

Current Summary

The property in South Plainfield Borough is located at 200 South Avenue, south of Coolidge Street and north of the railroad tracks, and consists of the former Tingley Rubber Corporation (Tingley) manufacturing facility. EPI is the current owner of the Tingley property.

At the Tingley property, EPI imported crushed concrete which it claims originated from the Ford property for use as fill. Approximately 480 cubic yards of material was used to fill the former sloped loading dock area located on the south side of the manufacturing building. Reportedly, the original concrete surface beneath this loading area was left in place and the crushed concrete was placed on top of it.

In addition, material from the Ford Edison property was also stockpiled at grade on the Tingley property in two locations. The first stockpile was situated along the southern property boundary atop an asphalt driveway. Ford removed this entire stockpile from the Tingley site and disposed of this material at MCUA Middlesex County Landfill in September 2005. The second stockpile is currently located in an asphalt parking area on the northern portion of the property. Some of the material in this stockpile was co-mingled with existing asphalt debris piles. Although the boundary between the two types of material was clearly visible, separation of the material at the interface of the piles was not feasible. Ford removed approximately 90 percent of the crushed concrete from this stockpile and disposed of this material at the MCUA Middlesex County Landfill in September 2005. Approximately 10 cubic yards of crushed concrete co-mingled with asphalt debris remain on-site in this pile. The stockpiled material that Ford removed in September 2005 totaled 4,525 tons and was sent to MCUA Middlesex County Landfill.

Investigation and Delineation Sampling

On February 9, 2006, Tetra Tech collected two samples of the crushed concrete material stockpiled at the site. The samples were analyzed for the following parameters: Total Petroleum Hydrocarbons (TPH), Petroleum Aromatic Hydrocarbon (PAH), Polychlorinated Biphenyls (PCBs), RCRA Characteristics, and Full Toxicity Characteristic Leaching Procedure (TCLP) Parameters. The results indicated

exceedances of six parameters for both the NJ Residential Direct Contact Soil Cleanup Criteria (RDCSCC) and the NJ Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) for PAHs. The results from this characterization sampling are provided in Attachment 2.

In addition, Environmental Liability Management (ELM) collected five samples of crushed concrete from the piles temporarily stored at the Tingley property. The samples were collected on September 22, 2005 and were analyzed for TPH, PAHs, and PCBs. The results indicated seven exceedances of the NJ RDCSCC and NRDCSCC for PAHs. The results from this characterization sampling are presented in Table 1 in Attachment 2.

Removal and Disposal Procedure

All crushed concrete material will be removed based on visual determination. If post removal laboratory samples indicate that additional soil needs to be removed, these removal actions will be conducted in accordance with this Plan. A site access agreement is in place between the site owner and Ford. The material will be transported by a licensed solid waste hauler to MCUA Middlesex County Landfill or BFI Conestoga Landfill. It is anticipated that the crushed concrete material will be transported to the landfill for use as cover material. A Tetra Tech site representative will ensure that all shipping manifests, bills of lading or any other required shipping documents have been properly completed for endorsement by Ford or Ford's appointed representative prior to trucks leaving the site. No material will leave the site without prior written approval from the NJDEP.

Dust Management Plan

All on-site activities will be conducted in a manner to minimize fugitive dust emissions. To accomplish this, the following controls will be implemented:

- All material to be removed from the site will be covered properly to prevent dust migration
- A water truck and water spray will be used to control dust during removal and loading activities. Additionally, a road sweeper will be used at the site for routine road maintenance to actively control dust emissions.
- A real-time air monitoring program will be implemented before any removal work is performed. This will include monitoring of dust in the exclusion zone, at the perimeter of the site, and for personnel working in the exclusion zone. Also, a meteorological station will be placed at the site to record information such as daily temperatures, wind speed and direction, etc.
- Prior to trucks departing the site, proper decontamination of the vehicles/equipment will take place. Ford will use a crushed stone truck pad to perform dry decontamination of all trucks prior to their departure form the site. This control will adequately address the concern for crushed concrete material leaving the site.

Ford will immediately cease removal activities at the site if any of the air monitoring action levels or other standards in the attached dust management program is exceeded. In addition, Ford will cease work if the control measures detailed in this Plan or any other provisions of the Administrative Order, regulations or law, are not being met. If this occurs, Ford will not resume work activities until the issues are resolved to the satisfaction of NJDEP.

The specific activities to be conducted for the air monitoring at the site are presented in Attachment 3.

Post Removal Sampling

In accordance with the NJDEP Technical Requirements for Site Remediation, post-excavation samples will be collected from all areas where material was removed. (Bottom of excavation - 1 sample per 900 square feet; Sidewall – 1 sample for every 30 linear feet of sidewall). The post-excavation samples will be analyzed for PCBs and will be sent to Severn Trent Laboratories, which is a NJ certified laboratory. Laboratory analysis will be performed on an accelerated turn-around time of one week (5 working days). After receipt of analytical data, Ford Motor Co. will confirm that PCBs above the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) do not remain in the areas excavated. If contaminants exceed the RDCSCC in the areas of excavation, additional excavation will occur.

Reporting

As required in the Administrative Order, Ford will provide the following information:

- Progress reports will be submitted to the NJDEP and the designated official from South Plainfield on the 1st and 16th of each month of removal activity at the site. The progress report will include a summary of activities conducted and results of air monitoring for the period being summarized.
- A final report will be issued to the NJDEP and South Plainfield officials within 14 days after completion of all remedial action activities and receipt of final analytical data. The final report will include a discussion of the procedures taken to eliminate all possible exposure form the material removed and the effectiveness of the procedures implemented to control fugitive dust emissions. The final report will include a discussion of the procedures taken to eliminate all possible exposure from the material removed and the effectiveness of the procedures implemented to control fugitive dust emissions. The report will also include origin and disposal forms pursuant to Solid Waste Management regulations that identify all material removed form the site. This information will include the weight of the material and equivalent cubic yards.
- Other reports required by the NJDEP or other significant correspondence issued to the NJDEP will be provided to South Plainfield officials.

Schedule

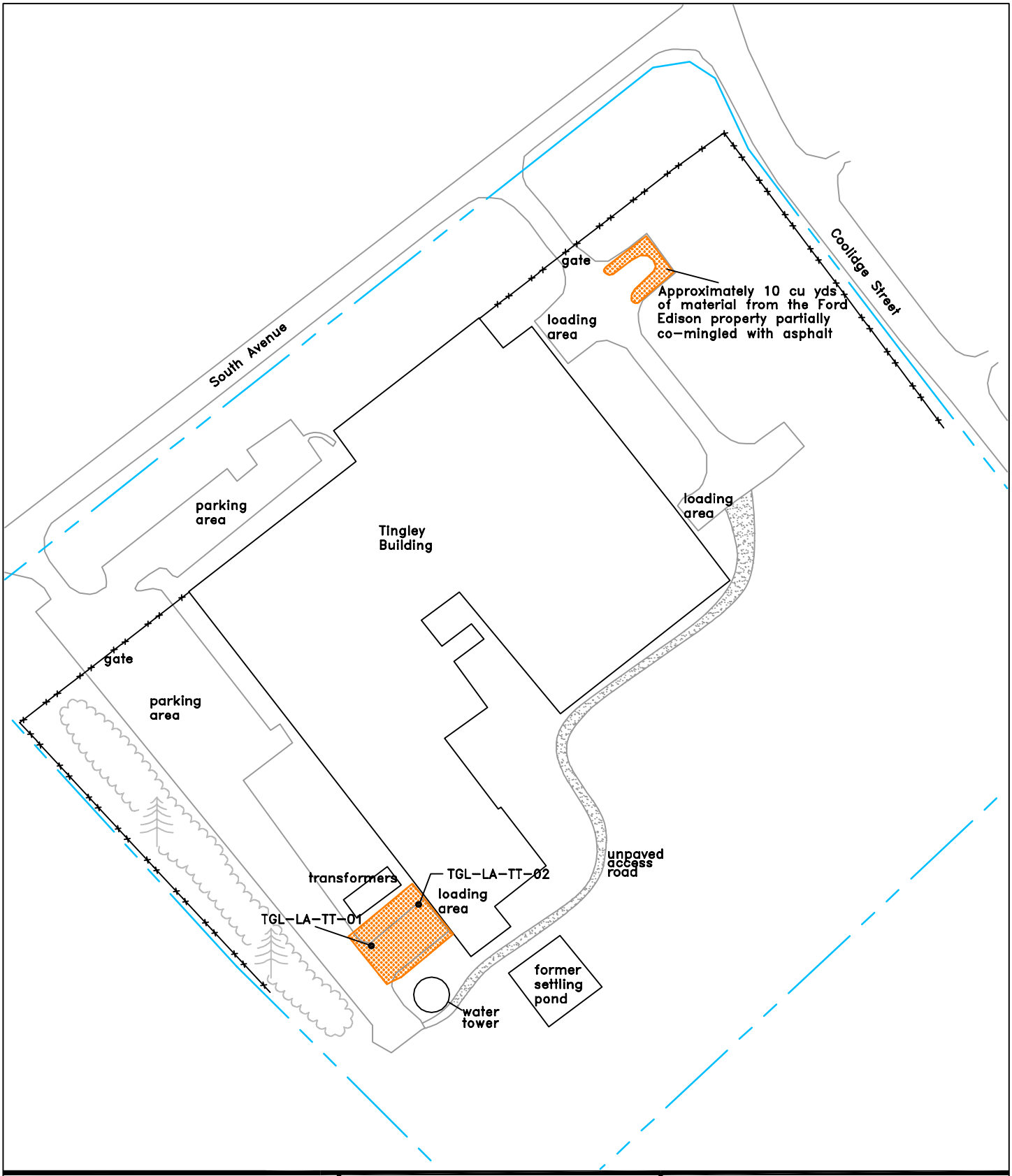
Ford will initiate work for the above referenced activities within 2 days after written approval from the NJDEP. Ford Motor Co. will complete remedial action activities within 30 days after approval of this plan.

Ford Motor Company will notify you prior to the start of any on-site activities and immediately if there are any changes to the schedule. If you have any questions, please contact me at 973-659-9996, extension 231.

Sincerely,

Douglas Sullivan
Senior Project Manager

ATTACHMENT 1
(Site Map)



TETRA TECH
ENGINEERS ARCHITECTS SCIENTISTS
Rockaway 80 Corporate Center
100 EnterPrise Drive, Suite 400
Rockaway, New Jersey 07866
973 659-9996 973 659-1287

LEGEND

- Gravel Road
- Property Boundary
- Chainlink fence
- Material from the Ford Edison property
- Overgrown Area
- Wooded Area

SITE ID: Tingley Rubber
200 South Avenue
South Plainfield, New Jersey

CLIENT: Ford Motor Company

SCALE	DRAWN BY:	CHECKED BY:
1" = 150'	JB	DS
PLOT DATE: 3/13/2006		SITE MAP

ATTACHMENT 2
(Characterization Data)

Aggregate Material Characterization Results — *Tingley Rubber*

Sample ID	Lab ID	Date Sampled	Analyte	RDCSCC (ppm)	NRDCSCC (ppm)	Haz Waste Level	Result	Units	Qual.	Exceeds Res. Crit.	Exceeds Non-Res. Crit.	Exceeds Haz Waste Level
TGL-LA-TT-01	707900	2/9/2006	Dibenz(a,h)anthracene	0.66	0.66		1.4	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	PCB (Total)	0.49	2		0.3	ppm				
TGL-LA-TT-01	707900	2/9/2006	Barium	700	47000	100	0.17	ppm	B			
TGL-LA-TT-01	707900	2/9/2006	Pyrene	1700	10000		16	ppm				
TGL-LA-TT-01	707900	2/9/2006	Benzo[g,h,i]perylene				4.3	ppm				
TGL-LA-TT-01	707900	2/9/2006	Fluorene	2300	10000		1.1	ppm	J			
TGL-LA-TT-01	707900	2/9/2006	Benzo[b]fluoranthene (3,4-Benzofl	0.9	4		7.2	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	Benzo(a)anthracene	0.9	4		9.2	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	Indeno[1,2,3-cd]pyrene	0.9	4		4.6	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	Benzo(a)pyrene	0.66	0.66		8.9	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	Naphthalene	230	4200		0.45	ppm	J			
TGL-LA-TT-01	707900	2/9/2006	Chrysene	9	40		9.1	ppm		Yes		
TGL-LA-TT-01	707900	2/9/2006	Benzo(k)fluoranthene	0.9	4		8	ppm		Yes	Yes	
TGL-LA-TT-01	707900	2/9/2006	Phenanthrene				9.9	ppm				
TGL-LA-TT-01	707900	2/9/2006	Ignitability				160	deg F				
TGL-LA-TT-01	707900	2/9/2006	Acenaphthene	3400	10000		0.98	ppm	J			
TGL-LA-TT-01	707900	2/9/2006	Total Petroleum Hydrocarbons				1040	ppm				
TGL-LA-TT-01	707900	2/9/2006	Corrosivity	12.5	12.5		10.74	std unit				
TGL-LA-TT-01	707900	2/9/2006	Fluoranthene	2300	10000		19	ppm				
TGL-LA-TT-01	707900	2/9/2006	Anthracene	10000	10000		3.2	ppm				
TGL-LA-TT-02	707901	2/9/2006	Ignitability				160	deg F				
TGL-LA-TT-02	707901	2/9/2006	Corrosivity	12.5	12.5		10.2	std unit				
TGL-LA-TT-02	707901	2/9/2006	Total Petroleum Hydrocarbons				1160	ppm				

Aggregate Material Characterization Results - Tingley Rubber

Sample ID	Lab ID	Date Sampled	Analyte	RDCSCC (ppm)	NRDCSCC (ppm)	Haz Waste Level	Result	Units	Qual.	Exceeds Res. Crit.	Exceeds Non-Res. Crit.	Exceeds Haz Waste Level
TGL-LA-TT-02	707901	2/9/2006	Pyrene	1700	10000		15	ppm				
TGL-LA-TT-02	707901	2/9/2006	Naphthalene	230	4200		0.3	ppm	J			
TGL-LA-TT-02	707901	2/9/2006	Indeno[1,2,3-cd]pyrene	0.9			3.9	ppm		Yes		
TGL-LA-TT-02	707901	2/9/2006	Phenanthrene				11	ppm				
TGL-LA-TT-02	707901	2/9/2006	Chrysene	9	40		8.4	ppm				
TGL-LA-TT-02	707901	2/9/2006	Anthracene	10000	10000		3.1	ppm				
TGL-LA-TT-02	707901	2/9/2006	Acenaphthylene				0.12	ppm	J			
TGL-LA-TT-02	707901	2/9/2006	Benzo(a)anthracene	0.9	4		8.7	ppm		Yes	Yes	
TGL-LA-TT-02	707901	2/9/2006	Benzo(a)pyrene	0.66	0.66		7.9	ppm		Yes	Yes	
TGL-LA-TT-02	707901	2/9/2006	Acenaphthene	3400	10000		1.1	ppm	J			
TGL-LA-TT-02	707901	2/9/2006	Benzo(k)fluoranthene	0.9	4		8	ppm		Yes	Yes	
TGL-LA-TT-02	707901	2/9/2006	Benzo[b]fluoranthene (3,4-Benzofl	0.9	4		6.8	ppm		Yes	Yes	
TGL-LA-TT-02	707901	2/9/2006	Benzo[g,h,i]perylene				3.6	ppm				
TGL-LA-TT-02	707901	2/9/2006	PCB (Total)	0.49	2		0.25	ppm				
TGL-LA-TT-02	707901	2/9/2006	Dibenz(a,h)anthracene	0.66	0.66		1.5	ppm		Yes	Yes	
TGL-LA-TT-02	707901	2/9/2006	Barium	700	47000	100	0.12	ppm	B			
TGL-LA-TT-02	707901	2/9/2006	Fluorene	2300	10000		0.96	ppm	J			
TGL-LA-TT-02	707901	2/9/2006	Fluoranthene	2300	10000		15	ppm				

Table 1

Summary of Crushed Concrete Sampling Analytical Results

Tingley Concrete - Edgewood

Sample ID	**NJDEP**			TR-C1		TR-C2		TR-C3		TR-C4		TR-C5	
Lab Sample Number	**Soil Cleanup Criteria**			671992		671993		671994		671995		671996	
Sampling Date	**Residential**	**Non-Residential**	**Impact to**	09/22/05		09/22/05		09/22/05		09/22/05		09/22/05	
Matrix	**Direct Contact**	**Direct Contact**	**Ground Water**	SOLID		SOLID		SOLID		SOLID		SOLID	
Units	**mg/kg**	**mg/kg**	**mg/kg**	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
Total Petroleum Hydrocarbons	10000 *	10000 *	10000 *	1,070		1,200		2,050		88.6		4,820	
Polynuclear Aromatic Hydrocarbons													
Acenaphthene	3,400	10,000	100	1.1	J	3.2	J	0.33	J	7	U	200	
Acenaphthylene	NS	NS	NS	3.5	U	0.22	J	6.9	U	7	U	11	J
Anthracene	10,000	10,000	100	2.7	J	9.4		0.6	J	7	U	430	
Benzo(a)anthracene	0.9	4	500	**4**		**24**		**1.5**		0.2	J	**500**	
Benzo(a)pyrene	0.66	0.66	100	**3.4**		**19**		**1.2**		0.18	J	**410**	
Benzo(b)fluoranthene	0.9	4	50	**2.5**		**16**		0.85		0.7	U	**310**	
Benzo(g,h,i)perylene	NS	NS	NS	2.9	J	10		1.2	J	7	U	350	
Benzo(k)fluoranthene	0.9	4	500	**3.1**		**18**		**1.2**		0.19	J	**380**	
Chrysene	9	40	500	4.3		**26**		1.8	J	0.22	J	**490**	
Dibenz(a,h)anthracene	0.66	0.66	100	**0.7**		**3.7**		0.36	J	*0.7*	*U*	**86**	
Fluoranthene	2300	10,000	100	12		51		3	J	0.52	J	1,500	
Fluorene	2,300	10,000	100	1.1	J	3	J	0.2	J	7	U	320	
Indeno(1,2,3-cd)pyrene	0.9	4	500	**2.2**		**9.4**		**0.91**		0.7	U	**280**	
Naphthalene	230	4,200	100	0.44	J	1.9	J	0.71	J	7	U	920	
Phenanthrene	NS	NS	NS	9.9		32		2.8	J	0.36	J	1,900	
Pyrene	1,700	10,000	100	9.1		45		2.8	J	0.38	J	1,200	
PCBs													
Aroclor-1016	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1221	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1232	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1242	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1248	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1254	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1260	NS	NS	NS	0.1		0.28		0.083		0.071	U	0.38	
Aroclor-1262	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Aroclor-1268	NS	NS	NS	0.07	U	0.07	U	0.069	U	0.071	U	0.069	U
Total PCBs	0.49	2	50	0.1		0.28		0.083		0.071	U	0.38	

Bold indicates value excedes Residential Direct Contact criteria/standard

Notes:
U - Not detected above indicated level
J - Estimated concentration
NS- No Standard
* - Action Level

ATTACHMENT 3
(Dust Management Plan)

DUST MONITORING PLAN

EXCLUSION ZONE MONITORING:

Purpose: Evaluate release of dust in zones to determine proper dust control measures.

- Exclusion zone (where work activities will occur) will be established.
- PDR-1000 Dust monitors will be located downwind at the perimeters of the exclusion zones.
- Action levels to implement dust control will be sustained readings (5 minutes) above 5 mg/m^3.
- Visual assessment of dust levels will be used to implement dust control.
- Dust control measures shall be water or dry agents during cold weather and shall be on-site at all times.

PERIMETER MONITORING:

Purpose: To identify and control off-site dust emissions.

- Determine strategic perimeter sampling locations based on wind direction, on-site operations, neighboring properties, public thoroughfares, and NJ DEP concurrence.
- DR-4000 respirable particulate monitors (PM-10) with omni-directional inlets will be used to measure levels of respirable dust at perimeter of the property.
- Action levels to implement dust control or to trigger monitor for specific contaminates of concern (i.e. PCB's) will be sustained readings (15 minutes) above 150 ug/m^3 as identified in the National Ambient Air Quality Standards (NAAQS). (See Attachment A-NAAQS Standards)

PERSONAL MONITORING:

Purpose: Evaluate worker exposure during normal work activities to be able to wear appropriate PPE.

- Determine personnel exposure of worker.
- Monitoring for total dust.
- Use pre-weighed filter cassettes and a low flow pump for dust sampling. (See Attachment B-Sampling Methods)
- Action level to implement upgrade of personal protection equipment (PPE) for dust is 15 mg/m^3.

Based on the low levels of PCB's (Generally 2 ppm) the action level for dust that would trigger PCB concerns and monitoring is estimated at 500 mg/m^{3*}. If this action level is exceeded monitoring for PCB's will require the following:

- Use sorbent tube and low flow pump for PCB sampling. (See Attachment B-Sampling Methods)
- Action level to implement upgrade of personal protection for PCB's is 0.001 mg/m^3 for the National Institute for Occupational Safety and Health (NIOSH) and 1 mg/m^3 for the Occupational Safety and Health Administration (OSHA). Tetra Tech recommends using the NIOSH standard as an action level for upgrading PPE.

Formula to correlate PCB levels in soil to dust levels is:

(Calculation: Convert PCB soil levels to a fraction (2 mg/kg = 0.000002) and multiply by the particulate concentration). For example if the particulate concentration is at 500 mg/m^3 then the concentration of PCB in air is 0.001 mg/m^3, which is the REL.

METEOROLOGICAL STATION:

Purpose: To record weather conditions related to the site.

- Determine location of METSTATION.
- Record daily the temperature, relative humidity, barometric pressure, wind speed and direction.
- Assess this information and correlate with particulate monitoring results.

REPORTING:

Purpose: To ensure communications between all parties.

- Progress reports will be submitted to Ford prior to the 1st and 16th of each month. Ford will issue reports to the NJDEP and municipal officials in accordance with the Administrative Order EA ID #: PI V1166.
- Progress reports will summarize results of the perimeter monitoring and meteorological information during that period.
- Final report will be generated at the end of the project and will include all perimeter monitoring results, meteorological information, and field documentation logs ensuring the effectiveness of the dust management plan. Ford will issue reports to the NJDEP and municipal officials in accordance with the Administrative Order EA ID #: PI V1166.

CONCLUSION:

Monitoring of dust levels will take place prior to removal activities, during removal activities, and after removal activities are complete.

ATTACHMENT A
(NAAQS Standards)

National Ambient Air Quality Standards

POLLUTANT	STANDARD VALUE *		STANDARD TYPE
Carbon Monoxide (CO)			
8-hour Average	9 ppm	(10 mg/m^3)	Primary
1-hour Average	35 ppm	(40 mg/m^3)	Primary
Nitrogen Dioxide (NO_2)			
Annual Arithmetic Mean	0.053 ppm	(100 $\mu g/m^3$)	Primary & Secondary
Ozone (O_3)			
1-hour Average	0.12 ppm	(235 $\mu g/m^3$)	Primary & Secondary
8-hour Average	0.08 ppm	(157 $\mu g/m^3$)	Primary & Secondary
Lead (Pb)			
Quarterly Average	1.5 $\mu g/m^3$		Primary & Secondary
Particulate (PM 10)	*Particles with diameters of 10 micrometers or less*		
Annual Arithmetic Mean	50 $\mu g/m^3$		Primary & Secondary
24-hour Average	150 $\mu g/m^3$		Primary & Secondary
Particulate (PM 2.5)	*Particles with diameters of 2.5 micrometers or less*		
Annual Arithmetic Mean	15 $\mu g/m^3$		Primary & Secondary
24-hour Average	65 $\mu g/m^3$		Primary & Secondary
Sulfur Dioxide (SO_2)			
Annual Arithmetic Mean	0.030 ppm	(80 $\mu g/m^3$)	Primary
24-hour Average	0.14 ppm	(365 $\mu g/m^3$)	Primary
3-hour Average	0.50 ppm	(1300 $\mu g/m^3$)	Secondary

* Parenthetical value is an approximately equivalent concentration.

ATTACHMENT B
(Sampling Methods)

SKC Home
Homeland Security
Contact SKC
Search
Products
Ordering
What's New
Customer Service
Rentals
Downloads
Sales & Service
Email Newsletter
Catalog Request
Sampling Help
Sampling Guides
Laboratories
Links
About SKC
Events / Seminars
Site Map

Guide to OSHA/NIOSH/ASTM Air Sampling Methods

Dust total nuisance

Chemical Hazard: Dust total nuisance

Agency Reference: OSHA CSI

Agency Standards

TWA (ppm): 15 mg/m3

Sample Volume (liter)

TWA: 720

Sampling Rate (ml/min)

TWA: 1500

Sampling Time

TWA (hours): 8

Analytical Method: GR -- Gravimetric Analysis

SKC Equimpent: Filter 225-8-01SC
Filter Cassette and Cyclone Holder 225-1
Filter Cassette 225-2LF

Footnotes: CSI-OSHA Chemical Sampling Information (OSHA CD-ROM

Chemical Hazards by First Letter

SKC Home
Homeland Security
Contact SKC
Search
Products
Ordering
What's New
Customer Service
Rentals
Downloads
Sales & Service
Email Newsletter
Catalog Request
Sampling Help
Sampling Guides
Laboratories
Links
About SKC
Events / Seminars
Site Map

Guide to OSHA/NIOSH/ASTM Air Sampling Methods

Polychlorinated biphenyls

Chemical Hazard: Polychlorinated biphenyls

CAS Number: 1336-36-3

Agency Reference: NIOSH 5503

Agency Standards

TWA (ppm): 0.001 mg/m3 (10 hr)

Sample Volume (liter)

TWA: 48

Sampling Rate (ml/min)

TWA: 100 (200)

Sampling Time

TWA (hours): 8 (4)

Analytical Method: GC-ECD -- Gas Chromatography-Electron Capture Detecto

SKC Equimpent: Filter 225-16
Filter Cassette 225-32
Sorbent Tube 226-39

Limit of Detection: 0.03µg/sample

LOD Note: The policies of the AIHA laboratory accreditation committee require that method detection limits must be established and